

ART. XV.—*Additions to the Catalogue of the Marine Shells of Victoria.*

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[Read 14th July, 1910.]

This paper adds 52 species to our fauna, including the seven new species in the preceding paper, bringing the total to 919. Twenty-five of them were obtained by the Commonwealth Trawler "Endeavour" off Wilson's Promontory, comprising some forms previously obtained by Mr. C. Hedley at Mast Head Reef, Capricorn Group, Queensland.

A notable occurrence is that of *Murex damicornis*, Hedley, the type of which was dredged by him on the coast of New South Wales.

Three new genera are added, namely, *Imbricaria*, *Cuspidaria*, and *Arcoperna*.

In our next paper we purpose making some remarks on species already catalogued.

MUREX DAMICORNIS, Hedley.

1903. *Murex damicornis*, Hedley. Mem. Aust. Mus., vol. iv., p. 378, f. 92, in text.

Hab.—15 miles south-west of Gabo Island, Commonwealth Trawler "Endeavour."

Obs.—Size of Type: Length, 56; breadth (without the spines), 23 mm. It much resembles *M. denudatus*, Perry, but has much longer spines.

TROPHON LAMINATUS, Petterd.

1884. *Trophon laminata*, Petterd, Jour. of Conch., vol. iv., p. 136.

1901. *Murex laminatus*, Tate and May. P.L.S. N.S.W., vol. xxiv., p. 352, pl. 23, f. 3.

1903. *Trophon laminatus*, Hedley, Mem. Aust. Mus., vol. iv., p. 379.

Hab.—Off Wilson's Promontory, Commonwealth Trawler  
"Endeavour."

Obs.—Size of Type: Length, 6; breadth, 3.5 mm.

Genus *Imbricaria*, Schumacher, 1817.

*IMBRICARIA PORPHYRIA*, Verco.

1896. *Imbricaria porphyria*, Verco. T.R.S. S.A., p.  
227, pl. 8, f. 5, 5a.

Hab.—Off Wilson's Promontory, Commonwealth Trawler  
"Endeavour."

Size of Type.—Length, 10; breadth, 5.75 mm.

Obs.—Dr. Verco remarks, "P. Fischer, in his *Manuel de Conchyliologie*, p. 614, says *Imbricaria* of Schumacher has no operculum. The shell I describe has one, but I leave the discussion of its generic location for a future communication." It also has an acute outer lip, in *Imbricaria* this is thickened.

*MARGINELLA STANISLAS*, T. Woods.

1877. *Marginella stanislas*, T. Woods. P.R.S. Tas., for  
1876, p. 133.

1901. *Marginella stanislas*, Tate and May, P.L.S.,  
N.S.W., p. 362, pl. 26, f. 82.

Hab.—Off Wilson's Promontory, Commonwealth Trawler  
"Endeavour."

Obs.—Size of Type: Length, 6; width, 2.66 mm.

*MARGINELLA AGAPETA*, Watson.

1886. *Marginella (Glabella) agapeta*, Watson, Chall.  
Zool., vol. xv., p. 266, pl. 16, f. 9.

Hab.—Off Wilson's Promontory, Commonwealth Trawler  
"Endeavour."

Obs.—A small white shell, triplicate, outer lip finely dentate.

*COLUMBELLA REMOENSIS*, Gatliff and Gabriel.

1910. *Columbella remoensis*, Gatliff and Gabriel. Ante  
page 82.

*COLUMBELLA FRANKLINENSIS*, Gatliff and Gabriel.

1910. *Columbella franklinensis*, Gatliff and Gabriel.  
Ante page 83.

*COLUMBELLA GEMMULIFERA*, Hedley.

1907. *Pyrene gemmulifera*, Hedley. P.L.S. N.S.W., vol. xxxii., p. 510, pl. 19, f. 44.

Hab.—Off Wilson's Promontory, Commonwealth Trawler "Endeavour."

Obs.—Mr. Hedley describes the sculpture of the second whorl as having fine radial riblets, our specimens are much worn, and the second whorl is smooth, and the shells are larger than the type, so possibly ours may be a variety. Dr. J. C. Verco, of Adelaide, has forwarded to us similar specimens dredged by him in 40 fathoms off Beachport, South Australia.

*CANCELLARIA (ADMETE) STRICTA*, Hedley.

1907. *Admete stricta*, Hedley. Rec. Aust. Mus., vol. vi., p. 295, pl. 54, f. 10.

Hab.—Off Wilson's Promontory, Commonwealth Trawler "Endeavour."

Obs.—Size of Type: Length, 4.5; breadth, 1.76 mm.

*DRILLIA TRICARINATA*, T. Woods.

1878. *Drillia tricarinata*, T. Woods, P.L.S., N.S.W., vol. ii., p. 265.

1901. *Drillia tricarinata*, Hedley. Rec. Aust. Mus., vol. iv., p. 23, f. 3.

1903. *Drillia tricarinata*, Hedley. Mem. Aust. Mus., vol. iv., p. 389, f. 104.

Hab.—Off Wilson's Promontory, Commonwealth Trawler "Endeavour."

Obs.—The type is 6 mm. in length, the single specimen before us is 8.50 mm. in length, and of a brown colour.

*MANGILIA GATLIFFI*, Verco.

1909. *Mangilia gatliffi*, Verco. T.R.S. S.A., vol. xxxiii., p. 312, pl. 28, f. 9.

Hab.—Dredged off Inverloch, about eight fathoms (F. H. Baker).

Obs.—Size of Type: Length, 5.25 mm.; of aperture, 2.25 mm.; breadth, 2.25 mm. It is described as being white and solid, and finely spirally sulcate. Our single specimen is suffused with a light-violet tint.

## MANGILIA INSCULPTA, Adams and Angas.

1863. *Mangilia insculpta*, Adams and Angas. P.Z.S.,  
Lond., p. 420, pl. 37, f. 8.

1909. *Mangilia insculpta*, Verco. T.R.S. S.A., vol.  
xxxiii., p. 315.

Hab.—Port Albert (T. Worcester).

Obs.—Size of Type: Length, 6.25 mm.; breadth, 2.25 mm.;  
closely resembling *M. delicatula*, T. Woods.

## MANGILIA FALLACIOSA, Sowerby.

1896. *Daphnella* (?) *fallaciosa*, Sowerby. P. Mal. S.  
Lond., vol. ii., p. 26, pl. 3, f. 7.

1909. *Mangilia fallaciosa*, Verco. T.R.S., S.A. vol.  
xxxiii., p. 319.

Hab.—Off Wilson's Promontory, Commonwealth Trawler  
"Endeavour."

Obs.—Size of Type: Length, 10 mm.; breadth, 3.25 mm.

## MANGILIA HILUM, Hedley.

1908. *Mangilia hilum*, Hedley, P.L.S. N.S.W., vol.  
xxxiii., p. 471, pl. 9, f. 17.

Hab.—Off Wilson's Promontory, Commonwealth Trawler  
"Endeavour."

Obs.—Size of Type: Length, 3.85; breadth, 1.25 mm.

## DAPHNELLA BITORQUATA, Sowerby.

1896. *Daphnella bitorquata*, Sowerby. P. Mal. Soc.,  
Lond., vol. ii., p. 27, pl. 3, f. 9.

Hab.—San Remo, Western Port,

Obs.—Size of Type: Long, 4.50; diam., 2.50 mm. Dr.  
Verco (T.R.S. S.A., 1909, p. 324) considers the above species to be  
a variety of *D. tasmanica*, T. Woods. We regard them as  
being distinct.

## DAPHNELLA LAMELLOSA, Sowerby.

1896. *Clathurella lamellosa*, Sowerby. P. Mal. Soc.,  
Lond., vol. ii., p. 28, pl. 3, f. 11.

1909. *Daphnella lamellosa*, Verco. T.R.S. S.A., vol.  
xxxiii., p. 325.

Hab.—Off Wilson's Promontory, Commonwealth Trawler  
"Endeavour."

Obs.—Size of Type: Long, 4; diam., 2 mm.

SCALA ACANTHOPLEURA, Verco.

1906. *Scala acanthopleura*, Verco. T.R.S. S.A., vol. xxx., p. 145, pl. 4, f. 8.

Hab.—Port Albert (T. Worcester).

Obs.—Size of Type: Length, 4.1; breadth, 2.6 mm.

STYLIFER BRAZIERI, Angas.

1877. *Stylifer brazieri*, Angas. P.Z.S., Lond., p. 173. pl. 26, f. 12.

1886. *Stylifer brazieri*, Tryon. Man. Conch., vol. viii., p. 291, pl. 71, f. 47.

Hab.—Bass Strait, Commonwealth Trawler "Endeavour."

LIPPISTES ZODIACUS, Hedley.

1907. *Lippistes zodiacus*, Hedley. P.L.S. N.S.W., vol. xxxii., p. 502, pl. 18, f. 30.

Hab.—Off Wilson's Promontory, Commonwealth Trawler "Endeavour."

Obs.—Size of Type: Length, 1.6; breadth, 0.85 mm. Mr. C. Hedley has examined our shell, and states it is exactly like the type which was obtained at Mast Head Reef, Capricorn Group, Queensland, and that he has since identified the species from Sydney Harbour.

LEIOSTRACA JOSHUANA, Gatliff and Gabriel.

1910. *Leiostraca joshuana*. Gatliff and Gabriel. Ante page 83.

CINGULINA MAGNA, Gatliff and Gabriel.

1910. *Cingulina magna*, Gatliff and Gabriel. Ante page 84.

CINGULINA RHYLLENSIS, Gatliff and Gabriel.

1910. *Cingulina rhyllensis*, Gatliff and Gabriel. Ante page 84.

TRIPHORA REGINA, Hedley.

1903. *Triphora regina*, Hedley. P.L.S. N.S.W., vol. xxvii., p. 608, pl. 32, f. 21.

1909. *Triphora regina*, Verco. T.R.S. S.A., vol. xxxiii., p. 285.

Hab.—West Head, Flinders.

Obs.—Size of Type: Length, 5 mm.; breadth, 1.5 mm. Mr. Hedley remarks: "I venture to describe this species from a single specimen, mutilated at each extremity, because the orange thread on each whorl will render possible the recognition of any fragment. The contour and sculpture are also sufficiently distinct from any species known from this coast." Probably the colour had faded on this specimen, as ours are light brown, as is also the protoconch, although it is imperfect in our examples.

TRIPHORA ALBOVITTATA, Hedley.

1903. *Triphora albovittata*, Hedley. P.L.S. N.S.W., vol. xxvii., p. 609, pl. 32, f. 26, 27.

1909. *Triphora albovittata*, Verco. T.R.S. S.A., vol. xxxiii., p. 285.

Hab.—Shoreham, Western Port.

Obs.—Size of Type: Length, 4.8 mm.; breadth, 1.5 mm. Apex brown of four whorls, remaining whorls yellow, with the exception of the upper row of granules, which are continuously white.

TRIPHORA ALBOVITTATA, Hedley, var. MAMILLATA, Verco.

1909. *Triphora albovittata*, Hedley, var. *mamillata*, Verco. T.R.S. S.A., vol. xxxiii., p. 285.

Hab.—Portsea, Port Phillip.

Obs.—Dr. Verco remarks: "Instead of having the elongate four-whorled protoconch of the type, it has a mamillate two-whorled apex."

TRIPHORA ARMILLATA, Verco.

1909. *Triphora armillata*, Verco. T.R.S. S.A., vol. xxxiii., p. 283, pl. 22, f. 5.

Hab.—Ocean Beach, Point Nepean; San Remo, Western Port (T. Worcester).

Obs.—Size of Type: Length, 7.9 mm.; breadth, 2.2 mm. Four whorled protoconch coloured light brown, remainder of the shell white, with the exception of the fifth and sixth whorls, which are dark brown.

## TRIPHORA CANA, Verco.

1909. *Triphora cana*, Verco. T.R.S. S.A., vol. xxxiii., p. 289, pl. 23, f. 2-4.

Hab.—Portsea, Port Phillip.

Obs.—Size of Type: Length, 7.1 mm.; breadth, 2.1 mm. Two whorled slightly mamillate protoconch, it and the succeeding four whorls are white, the remainder of the shell light brown.

## TRIPHORA SPINA, Verco.

1909. *Triphora spina*, Verco. T.R.S. S.A., vol. xxxiii., p. 280, pl. 22, f. 2, 3, 4.

Hab.—Off Wilson's Promontory, Commonwealth Trawler "Endeavour."

Obs.—Size of Type: Length, 12.4; breadth, 1.9 mm.

## TRIPHORA GEMMEGENS, Verco.

1909. *Triphora gemmegens*, Verco. T.R.S. S.A., vol. xxxiii., p. 290, pl. 23, f. 7, 8.

Hab.—Dredged, about six fathoms, between Phillip and French Islands, Western Port.

Obs.—Size of Type: Length, 7.1; breadth, 1.8 mm.

## LIOTIA PETALIFERA, Hedley and May.

1908. *Liotia petalifera*, Hedley and May. Records Aust. Mus., vol. vii., p. 116, pl. 22, f. 6, 7, 8.

Hab.—Port Albert (T. Worcester). Off Wilson's Promontory, Commonwealth Trawler "Endeavour."

Obs.—Size of Type: Height, 0.6; diameter, 1.25 mm. A minute white shell resembling *Cyclostrema johnstoni*, Beddome, which species has about 35 transverse ribs on the body whorl, in *L. petalifera*, they number 24. Our identification has been kindly confirmed by Mr. Hedley.

## CYCLOSTREMA DELECTABILE, Tate.

1899. *Cyclostrema delectabile*, Tate. T.R.S. S.A., vol. xxiii., p. 216, pl. 7, f. 4.

Hab.—Ocean Beach, Point Nepean.

Obs.—A small white shell. Size of Type: Major diameter, 1.66; minor diameter, 1.1; height, .95 mm. Sculpture fine, reticulated.

## CYCLOSTREMA DENSELAMINATUM, Verco.

1907. *Cyclostrema denselaminatum*. Verco. T.R.S. S.A., vol. xxxi., p. 306. pl. 29, f. 9.

Hab.—Off Wilson's Promontory, Commonwealth Trawler "Endeavour."

Obs.—A small opaque white shell. Size of Type: Major diameter, 1.55; minor diameter, 1.4; height, 1.1 mm. Similar to the preceding species, but it has stronger axial threads.

## CYCLOSTREMA MICROSCOPICA, Gatliff and Gabriel.

1910. *Cyclostrema microscopica*. Gatliff and Gabriel. Ante page. 85.

## RISSOA JACKSONI, Brazier.

1886. *Rissoa badia*, Watson (non Petterd, 1884). Chall. Zool., vol. xv., p. 612, pl. 46, f. 3.  
 1894. *Rissoia jacksoni*, Brazier. P.L.S. N.S.W., vol. ix. (2nd series), p. 695.  
 1899. *Rissoia jacksoni*, Tate. T.R.S. S.A., vol. xxiii., p. 233.

Hab.—Kilcunda: San Remo (T. Worcester).

## RISSOA SUBFUSCA, Hutton.

1873. *Barleeia subfusca*, Hutton. Cat. N.Z. Moll., p. 28.  
 1873. *Rissoina purpurea*, Hutton. Id. p. 29.  
 1880. *Rissoina subfusca*, Hutton. Man., N.Z. Moll., p. 80.  
 1880. *Rissoina purpurea*, Hutton. Id. p. 80.  
 1898. *Rissoia* (*Cingula*), *subfusca*. Suter. P. Mal. S., Lond., vol. iii. p. 4.

Hab.—Dredged between Phillip and French Islands, Western Port; Portsea, Port Phillip.

Obs.—We forwarded specimens to Mr. Suter, New Zealand, who remarks: "I take it to be *R. subfusca*, Hutton; it is a little smaller than the type, and the spire a trifle more convex, but I have similar examples from Cook Strait."

## RISSOA LIDDELLIANA, Hedley.

1907. *Rissoa liddelliana*, Hedley. P.L.S. N.S.W., vol. xxxii. p. 494. pl. 17, f. 24.



Hab.—Off Wilson's Promontory, Commonwealth Trawler "Endeavour."

Obs.—Mr. Hedley has kindly compared our specimens with the type and remarks that they "are larger and comparatively broader."

*THALOTIA WOODSIANA*, Angas.

1872. *Thalotia woodsiana*, Angas. P.Z.S. Lond., pl. 42, f. 4, 5.

Hab.—Portland Bay (Angas).

Obs.—Size of Type: 8 x 5 lines. We have not seen this species.

*CALLIOSTOMA ZIETZI*, Verco.

1905. *Calliostoma zietzi*, Verco. T.R.S. S.A., vol. xxix., p. 166, pl. 31, f. 1-3.

Hab.—Dredged, about six fathoms, between Phillip and French Islands, Western Port.

Obs.—Size of Type: Height, 8; diameter of base, 5 mm.

*SCISSURELLA AUSTRALIS*, Hedley.

1903. *Scissurella australis*, Hedley. Mem. Aust. Mus., vol. iv., p. 329 and 330, Fig. 63 in text.

Hab.—Off Wilson's Promontory, Commonwealth Trawler "Endeavour."

Obs.—Size of Type: Height, 2.5 mm.; major diameter, 3 mm. Our specimens have been identified by the author, but the sculpture on ours is not so strong.

*EMARGINULA SUPERBA*, Hedley and Petterd.

1906. *Emarginula superba*, Hedley and Petterd. Rec. Aust. Mus., vol. vi., p. 216, pl. 37, f. 7, 8.

Hab.—Off Wilson's Promontory, Commonwealth Trawler "Endeavour."

Obs.—The size of the type is: Length, 24; breadth, 18; height, 9 mm. Our specimen is much smaller. This species much resembles *E. dilecta*, A. Ad., but differs from it in having a much incurved and overhanging apex.

*ACANTHOCHITES MAUGHANI*, Torr and Ashby.

1898. *Acanthochites maughani*, Torr and Ashby. T.R.S. S.A., p. 218, pl. 7, f. 5.

Hab.—Shoreham, Western Port.

Obs.—Size of Type: Length, 8; breadth, 4 mm.—dried specimen. One of us also recently obtained a small living specimen at Freshwater Bay, N.S.W.

*SAXICAVA SUBALATA*, Gatliff and Gabriel.

1910. *Saxicava subalata*, Gatliff and Gabriel. Ante page. 85. .

*THRACIOPSIS ARENOSA*, Hedley.

1904. *Thraciopsis arenosa*, Hedley. P.L.S. N.S.W., vol. xxix., p. 197, pl. 9, f. 26, 27.

Hab.—Off Wilson's Promontory, Commonwealth Trawler "Endeavour."

Obs.—Size of Type: Height, 2.9; length, 4.55 mm

Genus *Cuspidaria*, Nardo, 1840.

*CUSPIDARIA TASMANICA*, T. Woods.

1876. *Neaera tasmanica*, T. Woods. P.R.S. Tas., for 1875, p. 27.

1897. *Cuspidaria tasmanica*, Tate. T.R.S. S.A., vol. xxi., p. 44.

1901. *Cuspidaria tasmanica*, Hedley. P.L.S. N.S.W., vol. xxvi., p. 21, f. 20. In text.

1901. *Cuspidaria tasmanica*, Tate and May. Id. p. 421.

Hab.—Off Wilson's Promontory, Commonwealth Trawler "Endeavour."

*KELLIA ANGASIANA*, Tate.

1887. *Kellia angasiana*, Tate. T.R.S. S.A., vol. ix., p. 68, pl. 5, f. 7.

Hab.—San Remo (Thos. Worcester).

Obs.—Size of Type: Antero-posterior diameter, 2.5; umbo-ventral diameter, 2 mm. A triangularly oval, thin, dull white, semi-transparent shell.

*LEPTON OVATUM*, Tate.

1887. *Lepton ovatum*, Tate. T.R.S. S.A., vol. ix. p. 68, pl. 5, f. 11.

Hab.—Portsea, Port Phillip.

Obs.—Size of Type: Antero-posterior diameter, 2; umbo-ventral diameter, 1.5 mm.

*CRASSATELLITES MICRA*, Verco.

1895. *Crassatella micra*, Verco. T.R.S. S.A., p. 93, pl. 1, f. 3.

1907. *Crassatellites micra*, Verco. Id. vol. xxxi., p. 313.

Hab.—Off Wilson's Promontory, Commonwealth Trawler "Endeavour."

*CONDYLOCARDIA PORRECTA*, Hedley.

1906. *Condylocardia porrecta*, Hedley. P.L.S. N.S.W., vol. xxxi., p. 475, pl. 38, f. 24.

Hab.—Off Wilson's Promontory, Commonwealth Trawler "Endeavour."

*GLYCIMERIS TENUICOSTATA*, Reeve.

1843. *Pectunculus tenuicostatus*, Reeve. P.Z.S. Lond., p. 80.

1843. *Pectunculus tenuicostatus*, Reeve. Conch. Icon., vol. i., pl. 6, f. 35.

Hab.—Off Wilson's Promontory, Commonwealth Trawler "Endeavour."

*GLYCIMERIS SORDIDUS*, Tate.

1891. *Pectunculus sordidus*, Tate. T.R.S. S.A., vol. xiv., p. 264, pl. 11, f. 8.

1907. *Glycimeris sordidus*, Verco. Id. vol. xxxi., p. 227.

Hab.—Off Wilson's Promontory, Commonwealth Trawler "Endeavour."

Genus *Arcoperna*, Conrad, 1865.

*ARCOPERNA SCAPHIA*, Verco.

1908. *Arcoperna scaphia*, Verco. T.R.S. S.A., vol. xxxii., p. 196, pl. 12, f. 1-5.

Hab.—Off Wilson's Promontory, Commonwealth Trawler "Endeavour."

## CHLAMYS RADIATUS, Hutton.

1873. *Pecten radiatus*, Hutton. Cat. N.Z. Moll., p. 82.

1880. *Pecten radiatus*, Hutton. Man. N.Z. Moll., p. 171.

1908. *Chlamys radiatus*, Hedley. P.L.S. N.S.W., vol. xxxiii., p. 472, pl. 10, f. 28.

Hab.—Ocean Beach, Point Nepean; Torquay; off Wilson's Promontory, Trawler "Endeavour."

Obs.—Mr. Henry Suter, of New Zealand, has kindly identified specimens submitted to him as being young shells of the above-named species. The size of the type is: Height, 1.8; breadth, 1.7 inch. The largest examples we have hitherto obtained are: Height, 0.60; breadth, 0.56 inch.

In part 8 of the Catalogue by Pritchard and Gatliff, *Chlamys hedleyi*, Dautzenburg, was recorded, upon the identification of Mr. C. Hedley. He now informs us he was mistaken, and further states that *C. hedleyi* falls in as a synonym of *C. undulatus*. Sowerby. The shell he wrongly identified we now find to be *C. radiatus*, Hutton.

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